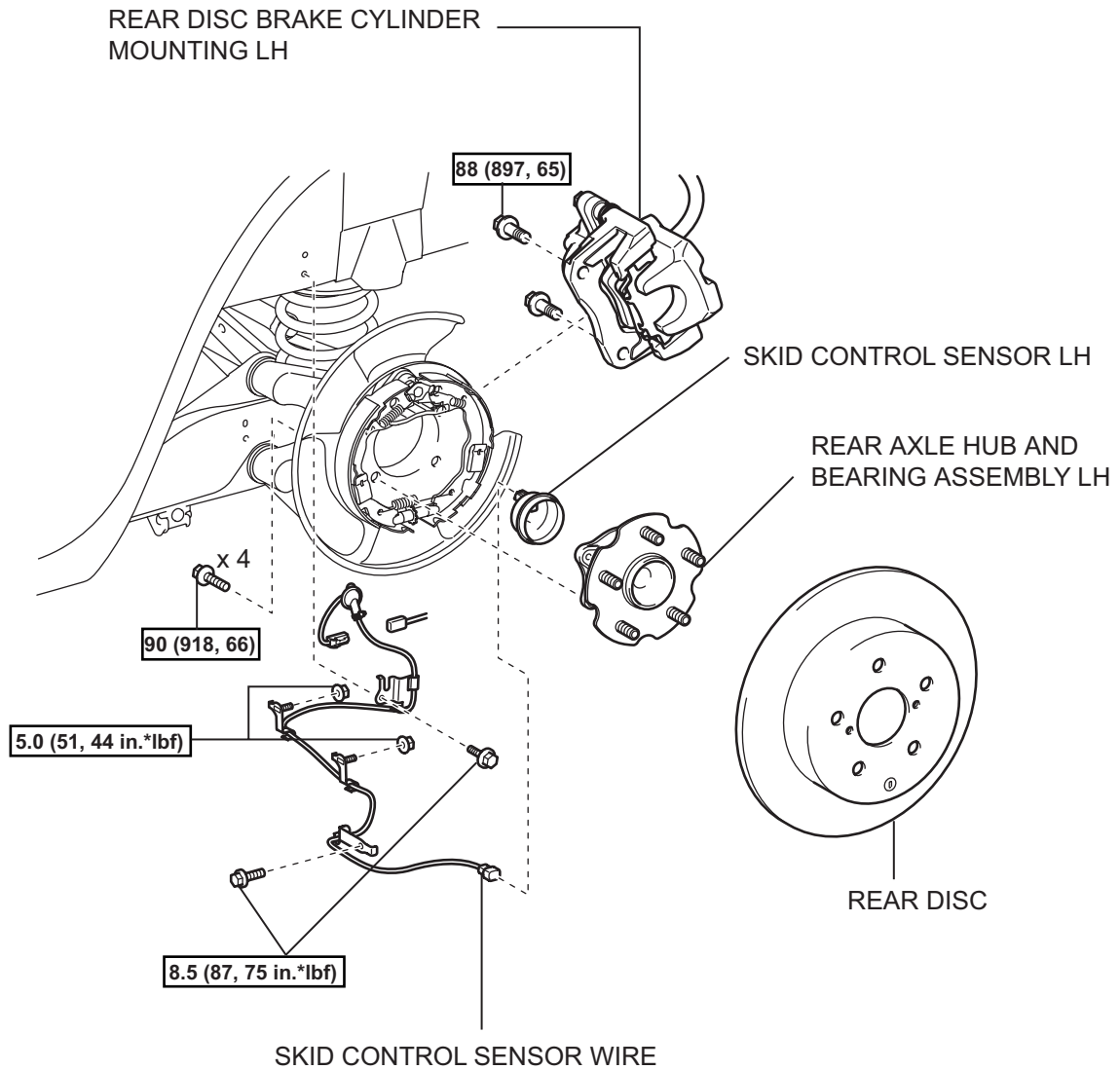


# SKID CONTROL SENSOR (for 2WD)

## COMPONENTS



N\*m (kgf\*cm, ft.\*lbf) : Specified torque

BC

## REMOVAL

### HINT:

- Use the same procedures for the LH side and RH side.
- The procedures listed below are for the LH side.

### 1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

#### CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

### 2. REMOVE REAR WHEEL

### 3. REMOVE DECK TRIM SIDE PANEL ASSEMBLY LH

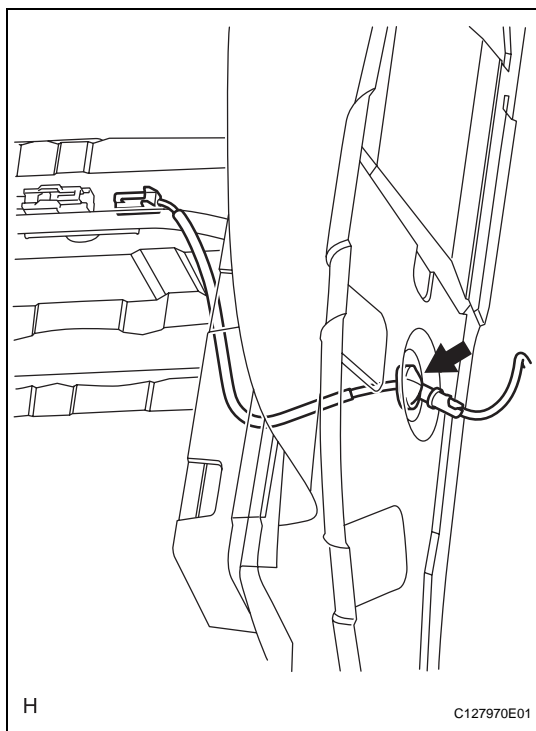
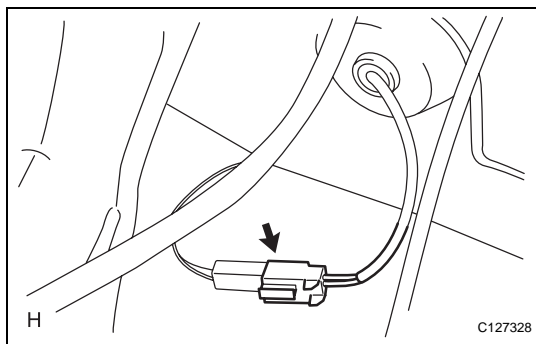
- (a) Remove the deck trim side panel LH (see page [IR-26](#)).

#### HINT:

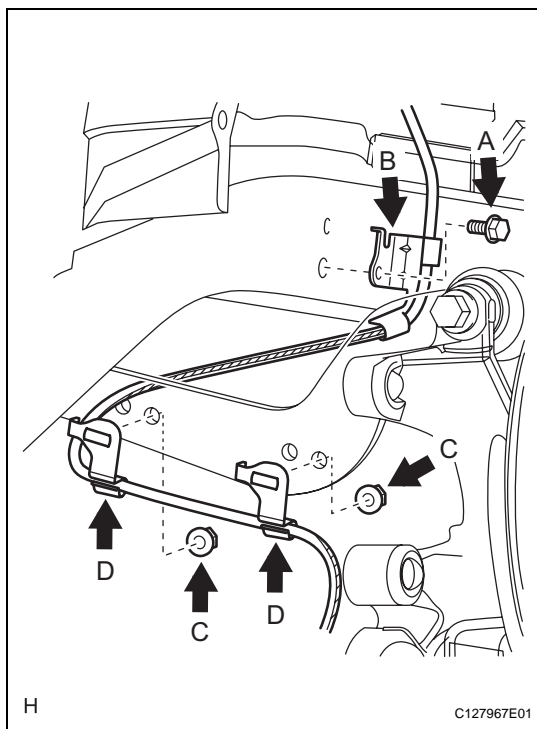
Refer to the procedures from the removal of the rear door scuff plate LH up until the removal of the deck trim side panel LH.

### 4. REMOVE SKID CONTROL SENSOR WIRE

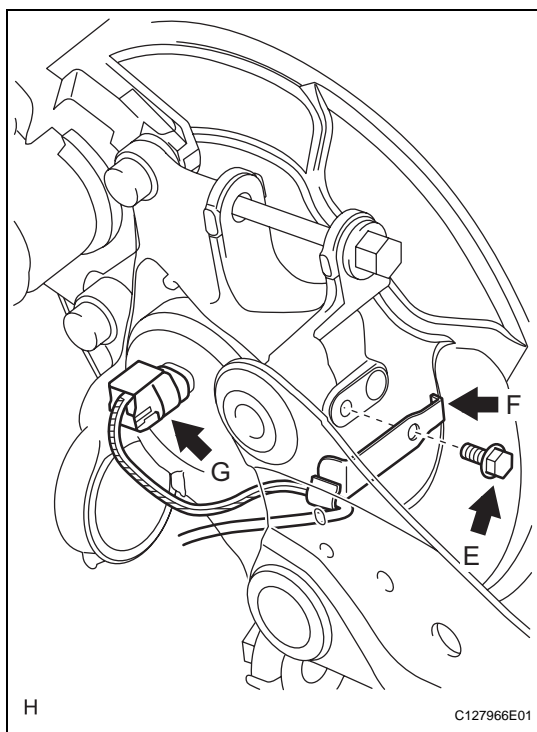
- (a) Disconnect the skid control sensor wire connector.



- (b) Disconnect the grommet of the skid control sensor wire from the hole of the wheel house.



- (c) Remove the bolt (labeled A) and sensor clamp (labeled B) from the side member.
- (d) Remove the 2 nuts (labeled C) and sensor clamps (labeled D) from the upper arm.



- (e) Remove the bolt (labeled E) and sensor clamp (labeled F) from the carrier.
- (f) Disconnect the skid control sensor wire connector (labeled G) from the speed sensor.

BC

#### 5. REMOVE REAR DISC BRAKE CYLINDER MOUNTING LH (See page [BR-55](#))

#### 6. REMOVE REAR DISC (See page [BR-57](#))

#### 7. REMOVE REAR AXLE HUB AND BEARING ASSEMBLY LH

- (a) Remove the rear axle hub and bearing LH (see page [AH-16](#)).

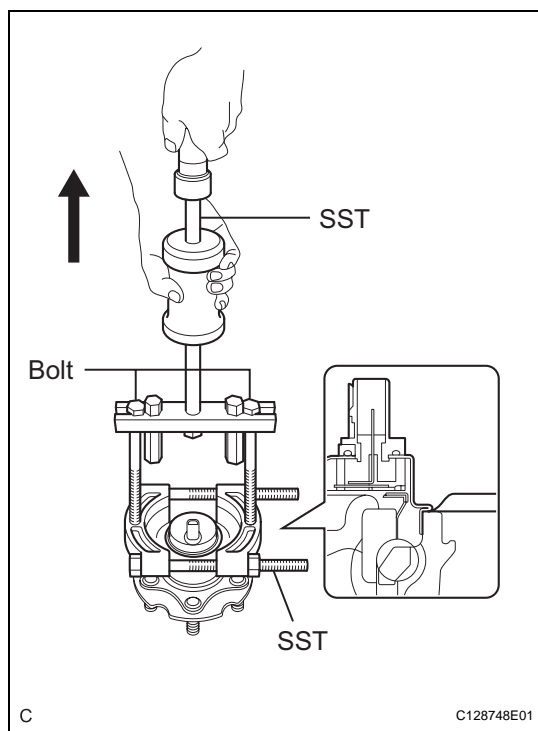
#### 8. REMOVE SKID CONTROL SENSOR LH

- (a) Mount the front axle hub in a soft jaw vise.

##### NOTICE:

**Replace the hub and bearing if it is dropped or receives a strong shock.**

- (b) Using a pin punch and hammer, tap out the 2 pins and remove the 2 attachments from SST.



- (c) Using SST and the 2 bolts (diameter: 12 mm; pitch: 1.5 mm), remove the skid control sensor from the hub and bearing.

**SST 09520-00031 (09520-00040), 09521-00020, 09950-00020**

**NOTICE:**

- If the sensor rotor is damaged, replace the axle hub.
- Do not scratch the contacting surface of the hub and bearing and skid control sensor.

## INSPECTION

### 1. INSPECT SKID CONTROL SENSOR

- (a) Check the speed sensor. If any of the following occurs, replace the speed sensor with a new one.
- The surface of the speed sensor is cracked, dented, or chipped.
  - The speed sensor has been dropped.

### 2. INSPECT SKID CONTROL SENSOR WIRE

- (a) Check the sensor wire. If any of the following occurs, replace the sensor wire with a new one. The connector or wire harness is scratched, cracked, or damaged.

## INSTALLATION

### HINT:

- Use the same procedures for the LH side and RH side.
- The procedures listed below are for the LH side.

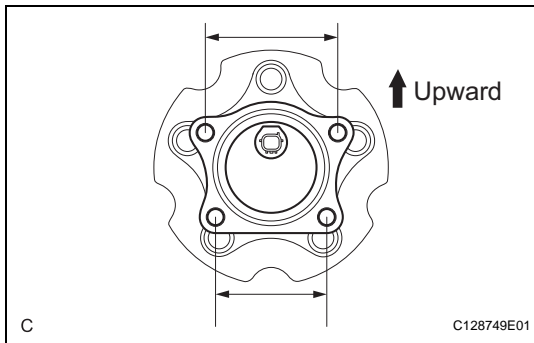
### 1. INSTALL SKID CONTROL SENSOR LH

- (a) Clean the contact surfaces of the axle hub and speed sensor.

#### NOTICE:

**Make sure the sensor rotor is clean.**

- (b) Place the speed sensor on the axle hub so that the connector position is as high as possible when the axle hub is installed to the vehicle.

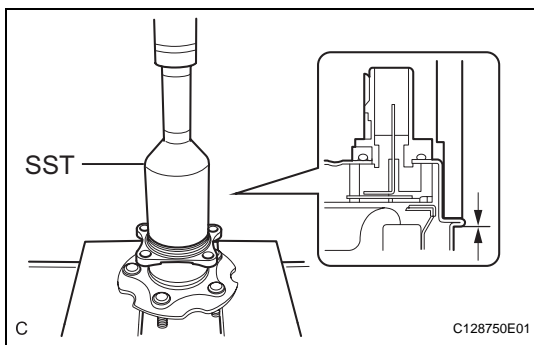


- (c) Using SST and a press, press the speed sensor into the hub and bearing.

**SST 09214-76011**

#### NOTICE:

- Do not tap the speed sensor directly with a hammer.
- Check that the speed sensor detection part is clean.
- Press in the speed sensor straight and slowly.



### 2. INSTALL REAR AXLE HUB AND BEARING ASSEMBLY LH

- (a) Install the rear axle hub and bearing LH (see page [AH-18](#)).

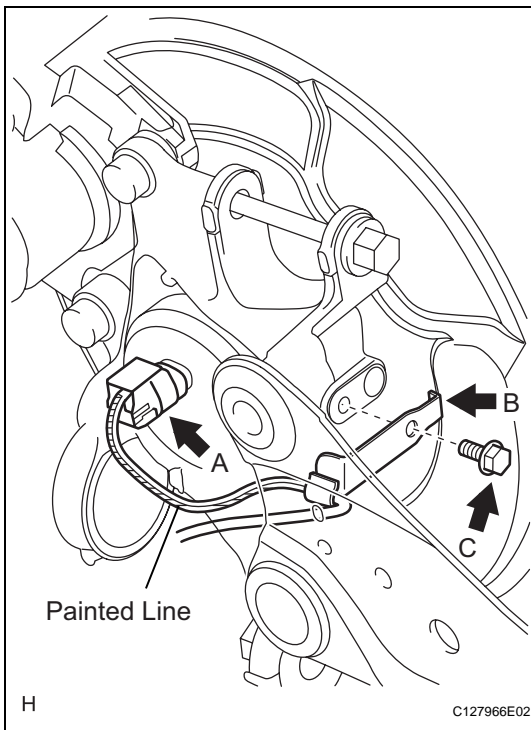
### 3. INSTALL REAR DISC (See page [BR-58](#))

### 4. INSTALL REAR DISC BRAKE CYLINDER MOUNTING LH (See page [BR-60](#))

### 5. INSTALL SKID CONTROL SENSOR WIRE

#### NOTICE:

To prevent interference with other parts, do not twist the sensor wire's painted line areas when installing it.

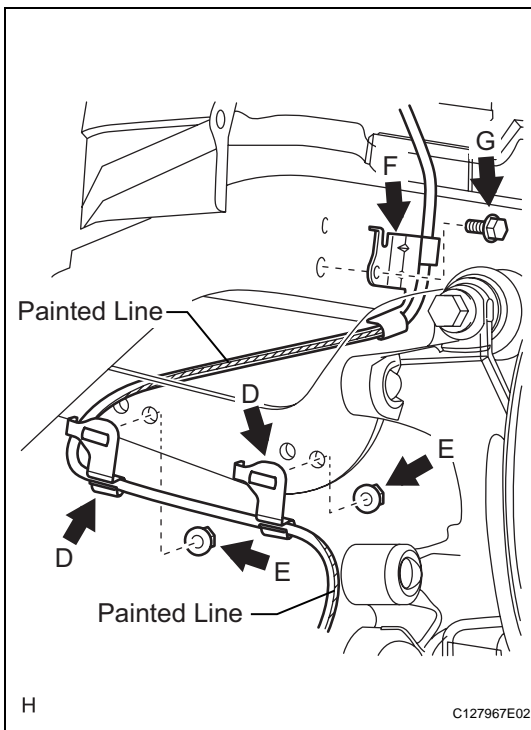


- (a) Connect the skid control sensor wire connector (labeled A) to the speed sensor.
- (b) Install the sensor clamp (labeled B) with the bolt (labeled C).

**Torque: 8.5 N\*m (87 kgf\*cm, 75 in.\*lbf)**

**NOTICE:**

**Do not twist the sensor wire when installing the clamp.**



- (c) Install the 2 sensor clamps (labeled D) with the 2 nuts (labeled E).

**Torque: 5.0 N\*m (51 kgf\*cm, 44 in.\*lbf)**

**NOTICE:**

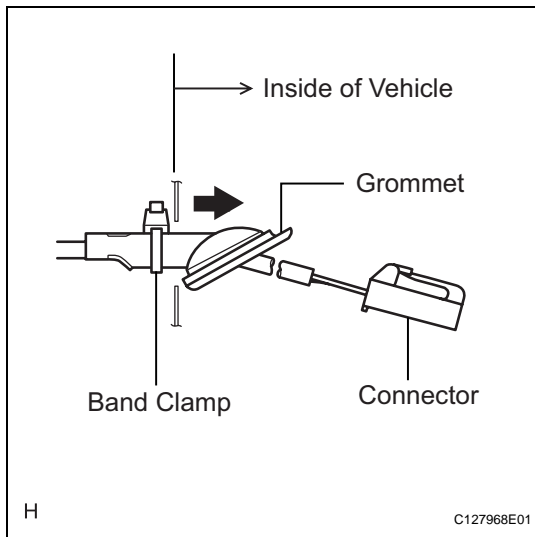
**Do not twist the sensor wire when installing the clamps.**

- (d) Install the sensor clamp (labeled F) with the bolt (labeled G).

**Torque: 8.5 N\*m (87 kgf\*cm, 75 in.\*lbf)**

**NOTICE:**

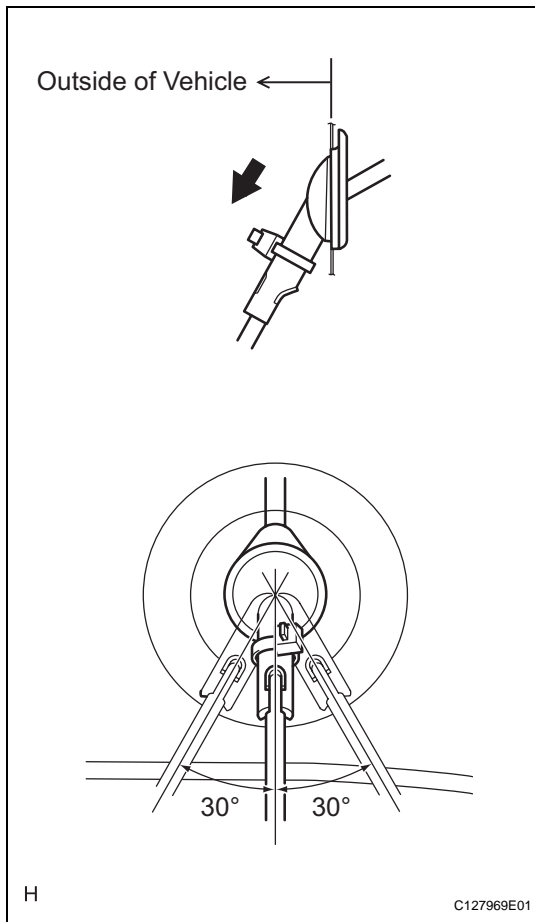
**Do not twist the sensor wire when installing the clamp.**



- (e) Insert the connector and grommet to the inside of the vehicle through the hole in the wheel house.

**NOTICE:**

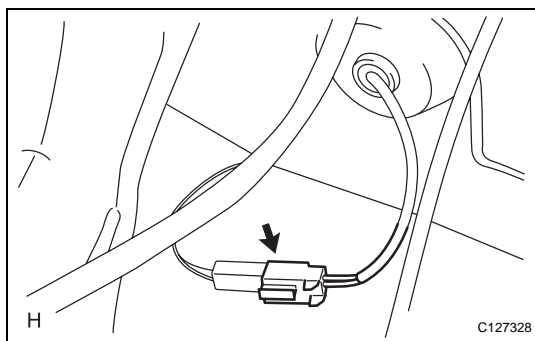
**Make sure the grommet's band clamp remains on the outside of the vehicle.**



- (f) Hold the grommet and pull it from the inside of the vehicle to the outside of the vehicle. Then fix it in place so that it is not tilted.

**NOTICE:**

- When pulling out the grommet, do not grip the sensor wire.
- Fix the grommet in place within the range shown in the illustration.



- (g) Connect the skid control sensor wire connector.

**6. INSTALL DECK TRIM SIDE PANEL ASSEMBLY LH**

- (a) Install the deck trim side panel LH (see page [IR-49](#)).

**HINT:**

Refer to the procedures from the installation of the deck trim side panel LH up until the installation of the rear door scuff plate LH.

**7. INSTALL REAR WHEEL**

**Torque: 103 N\*m (1,050 kgf\*cm, 76 ft.\*lbf)**



- 8. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
- 9. CHECK SPEED SENSOR SIGNAL**
  - (a) Check the speed sensor signal (see page [BC-28](#)).